



US006707035B2

(12) **United States Patent**  
**Hughey et al.**

(10) **Patent No.:** **US 6,707,035 B2**  
(45) **Date of Patent:** **Mar. 16, 2004**

(54) **SAMPLE INTRODUCTION INTERFACE FOR ANALYTICAL PROCESSING OF A SAMPLE PLACED ON A SUBSTRATE**

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(\*) Notice: Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 0 days.

(21) Appl. No.: **09/935,909**

(22) Filed: **Aug. 23, 2001**

(65) **Prior Publication Data**

US 2002/0066857 A1 Jun. 6, 2002

#### Related U.S. Application Data

(63) Continuation-in-part of application No. 09/648,053, filed on Aug. 25, 2000

(60) Provisional application No. 60/227,711, filed on Aug. 24, 2000, and provisional application No. 60/227,839, filed on Aug. 25, 2000.

(51) Int. Cl.<sup>7</sup> ..... **H01J 49/26**

(52) U.S. Cl. .... **250/288**; 250/423 R; 250/282; 250/281; 250/423 P; 73/23.1

(58) Field of Search ..... 250/288, 423 R, 250/282, 281, 423 P; 73/23.1

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(57) **ABSTRACT**

An interface system for introducing a non-gaseous sample as a predetermined gaseous form into an analytical instrument which comprises a substrate that receives the non-gaseous sample and a directed energy source that heats at least a portion of said substrate containing the non-gaseous sample to convert the sample to the predetermined gaseous form.

**47 Claims, 16 Drawing Sheets**

